

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of: OKAMURA ET AL.
Filed: April 16, 2004
For: DRIVE CIRCUIT FOR PLASMA DISPLAY PANEL
DOCKET: NEC 00P297 CON

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In connection with the above-entitled matter, Applicants hereby attach U.S. Patent Office forms PTO-1449 and PTO-892, including copies of the references listed therein not already of record in the parent application. The present application is a Continuation under 37 CFR 1.53(b) of application Serial No. 09/814,644, wherein some of the references referred to in the enclosed U.S. Patent Office Forms PTO-1449 and PTO-892 have been previously submitted or cited. Accordingly, it is respectfully submitted that no copies of the previously cited references are believed necessary. However, some of the references were cited in a Japanese Office Action dated March 31, 2004, of the counterpart Japanese patent application. Enclosed is a copy of the Japanese Office Action, together with an English translation of the relevant portions thereof. The claims in the present application are believed to be patentably distinguished over these references.

This information disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made that the

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643


175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which depends on subjectivity.

In compliance with the requirements of 37 C.F.R. § 1.98(a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 35 U.S.C. § 1.56(c) most knowledgeable about the content of the information, the undersigned attorney of record submits a translation of portions of an official action by a foreign examiner in which the references were cited. The relevance to the pending U.S. patent application is that the references were cited in a foreign patent application on the same subject matter. However, no independent analysis of the references, the accuracy of the statement of foreign examiner or the claims of the foreign application under the laws of the country or the United States relative to the subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign examiner's comments submitted therewith.

The enclosed Information Disclosure Statement is being submitted within three months of the Japanese Office Action, as certified in the attached Certification for Information Disclosure Statement. Therefore, we believe there are no fees involved with this Information Disclosure Statement. In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account No. 08-1391.

Respectfully submitted,



Norman P. Soloway
Attorney for Applicant
Reg. No. 24,315

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

**STATEMENT UNDER 37 CFR 1.97(e) ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**

Docket No.
NEC 00P297 CON

In Re Application Of: **OKAMURA ET AL.**

Serial No.

Filing Date
APRIL 16, 2004

Examiner

Group Art Unit

Invention: **DRIVE CIRCUIT FOR PLASMA DISPLAY PANEL**

TO THE COMMISSIONER FOR PATENTS:

This is a statement under the provisions of 37 CFR 1.97(e) in the above-identified application.

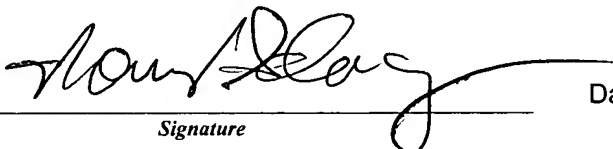
Check applicable statement herebelow:

Statement Under 37 CFR 1.97(e)(1)

- ☒ Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

Statement Under 37 CFR 1.97(e)(2)

- ☐ No item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.


Signature

Dated: **April 16, 2004**

**Norman P. Soloway
Reg. No. 24,315
HAYES SOLOWAY P.C.
130 W. Cushing Street
Tucson, AZ 85701**

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CC:

(Use several sheets if necessary)

Application Number

Applicant(s)

Okamura et al

Filing Date

March 22, 2001

Group Art Unit

U.S. PATENT DOCUMENTS

J1046 U.S. PT.
 09/814644
 03/22/01

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Notice of References Cited

Application/Control No.

09/814,644

Applicant(s)/Patent Under
Reexamination
OKAMURA ET AL.

Examiner

Leonid Shapiro

Art Unit

2673

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
✓	A	US-6,072,447	06-2000	Noborio, Masayuki	345/60
✓	B	US-6,538,627	03-2003	Whang et al.	345/60
✓	C	US-2001/0026254	10-2001	Ide et al.	345/60
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 09/814,644	Applicant(s)/Patent Under Reexamination OKAMURA ET AL.	
	Examiner Leonid Shapiro	Art Unit 2673	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Country Code	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
✓	A	US-6,483,487 <i>B2</i>	11-2002	Iseki, Koki	345/60
✓	B	US-5,828,353	10-1998	Kishi et al.	345/55
✓	C	US-5,943,030	08-1999	Minamibayashi, Seisaku	345/60
✓	D	US-6,195,072 <i>B1</i>	02-2001	Iwami et al.	345/67
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	N					
	O					
	P					
	Q					
	R					
	S					
	T					

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Examiner

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Art Unit

2673

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,654,728	08-1997	Kanazawa et al.	345/68
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	Q					
	R					
	S					
	T					

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

NEC 00P297 CON

Application Number

Applicant(s)

OKAMURA ET AL.

Filing Date

APRIL 16, 2004

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		10-149131	02.06.98	JAPAN (w/abstract)	G09G	3/28		✓
		10-319893	04.12.98	JAPAN (w/abstract)	G09G	3/20		✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NEC 00P297

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...
[For Claims 1-8; Cited Documents 1-3]
(Remarks)

/2

<For Claims 1-2, 8; Cited Document 1>

A driving circuit of a plasma display panel that is described in Cited Document 1 has a relay device (a channel that contains coils L1, L2) with a 1st sustain drive circuit and a 2nd sustain drive circuit connected.

Further, a circuit constitution corresponding to a 1st switching element (SW4), 2nd switching element (SW3), 3rd switching element (SW11), 4th switching element (SW2), 5th switching element (SW1), 6th switching element (SW10), 1st coil (L2) and 2nd coil (L1) in a circuit constitution of the present application invention is also established. The polarity of potential is inverted for application of negative voltage for drive voltage by the cited invention but modification of the polarity of a drive voltage is without any technological significance.

<For Claims 3-7; Cited Documents 1-3>

Things like the point of establishing a diode for current reverse current prevention to a power source and the establishment of a diode circuit for a voltage clamp for a drive signal channel are conventional technology as disclosed in Cited Documents 2 and 3.

List of Cited Documents

1. Publication of Japanese Laid-Open Patent No. H10-149131
[line crossed out]
3. Publication of Japanese Laid-Open Patent No. H10-319893
- ...